

What is claimed is:

1. A negative electrode for a non-aqueous secondary cell comprising graphite, carbon black and an aqueous binder, wherein said carbon black comprises particles having an aspect ratio of 1.0 to 5.0 and a largest particle size of 10 μm or less.

2. The negative electrode according to claim 1, wherein said graphite has an average particle size of from 15 to 30 μm , and at least 10% by weight of said carbon black, based on the total weight of the carbon black, has said aspect ratio of 1.0 to 5.0 and said largest particle size of 10 μm or less.

15

3. The negative electrode according to claim 1, wherein said graphite has an average particle size of from 15 to 30 μm , and at least 60% by weight of said carbon black, based on the total weight of the carbon black, has said aspect ratio of 1.0 to 5.0 and a largest particle size of 1 μm or less.

20

4. The negative electrode according to any one of claims 1, 2 and 3, wherein said carbon black is present in an amount of from 0.1 % to 3.0 % by weight based on a final solids content of a negative electrode coating on said negative electrode.

25

5. The negative electrode according to claim 1, wherein said aqueous binder comprises styrene-butadiene rubber and carboxymethylcellulose.

5 6. The negative electrode according to claim 1, wherein said negative electrode has a density of at least 1.60 g/cm³, and said graphite has a specific surface area of at least 2.5 m²/g and a crystal spacing d_{002} of 0.3370 nm or less.

10 7. A non-aqueous secondary cell comprising a positive electrode, a negative electrode and a non-aqueous electrolyte, wherein said negative electrode comprises graphite, carbon black comprising particles having an aspect ratio of 1.0 to 5.0 and a largest particle size of 15 10 μ m or less, and an aqueous binder.

8. The non-aqueous secondary cell according to claim 7, wherein said graphite has an average particle size of from 20 15 to 30 μ m, and at least 10% by weight of said carbon black, based on the total weight of the carbon black, has said aspect ratio of 1.0 to 5.0 and said largest particle size of 10 μ m or less.

25 9. The non-aqueous secondary cell according to any one of claims 7 and 8, wherein said carbon black is present in an amount of from 0.1 % to 3.0 % by weight based on a final solids content of a negative electrode coating on said

negative electrode.

10. The non-aqueous secondary cell according to claim 7, wherein said aqueous binder comprises styrene-butadiene rubber and carboxymethylcellulose.

11. The non-aqueous secondary cell according to claim 11, wherein said negative electrode has a density of at least 1.60 g/cm^3 , and said graphite has a specific surface area of at least $2.5 \text{ m}^2/\text{g}$ and a crystal spacing d_{002} of 0.3370 nm or less.

12. A method for producing a negative electrode for a non-aqueous secondary cell comprising the steps of:

15 mixing graphite, carbon black comprising particles having an aspect ratio of 1.0 to 5.0 and a largest particle size of $10 \text{ }\mu\text{m}$ or less, and an aqueous binder to prepare a negative electrode coating,

20 applying the negative electrode coating on a substrate of the negative electrode,

drying the applied negative electrode coating, and press-forming the coating.

13. The method according to claim 12, wherein at least 10% by weight of said carbon black particles has said aspect ratio of 1.0 to 5.0, and said largest particle size of $10 \text{ }\mu\text{m}$ or less.

14. The method according to claim 12, wherein said aqueous binder comprises styrene-butadiene rubber and carboxymethylcellulose.

5 15. The method according to claim 12, wherein said negative electrode has a density of at least 1.60 g/cm³, and said graphite has a specific surface area of at least 2.5 m²/g and a crystal spacing d_{002} of 0.3370 nm or less.

10 16. An electronic device comprising a non-aqueous secondary cell which comprises a positive electrode, a negative electrode and a non-aqueous electrolyte, wherein said negative electrode comprises graphite, carbon black comprising particles having an aspect ratio of 1.0 to 5.0
15 and a largest particle size of 10 μ m or less, and an aqueous binder.

17. The electronic device according to claim 16, wherein said graphite has an average particle size of from
20 15 to 30 μ m, and at least 10% by weight of said carbon black, based on the total weight of the carbon black, has said aspect ratio of 1.0 to 5.0 and said largest particle size of 10 μ m or less.

25 18. The electronic device according to any one of claims 16 and 17, wherein said carbon black is present in an amount of from 0.1 % to 3.0 % by weight based on a final solids content of a negative electrode coating on said

negative electrode.

19. The electronic device according to claim 16,
wherein said aqueous binder comprises styrene-butadiene
5 rubber and carboxymethylcellulose.

20. The electronic device according to claim 16,
wherein said negative electrode has a density of at least
1.60 g/cm³, and said graphite has a specific surface area
10 of at least 2.5 m²/g and a crystal spacing d_{002} of 0.3370 nm
or less.